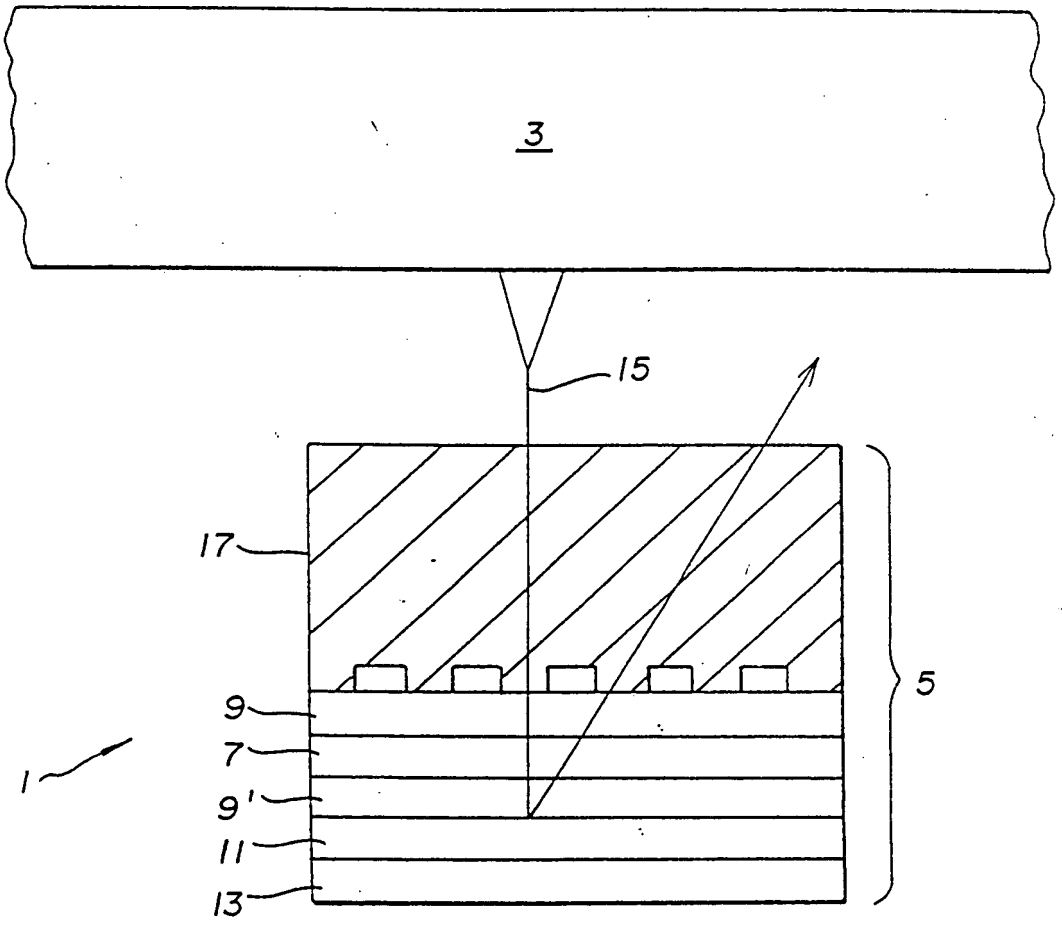


Fig. 1

PRIOR ART

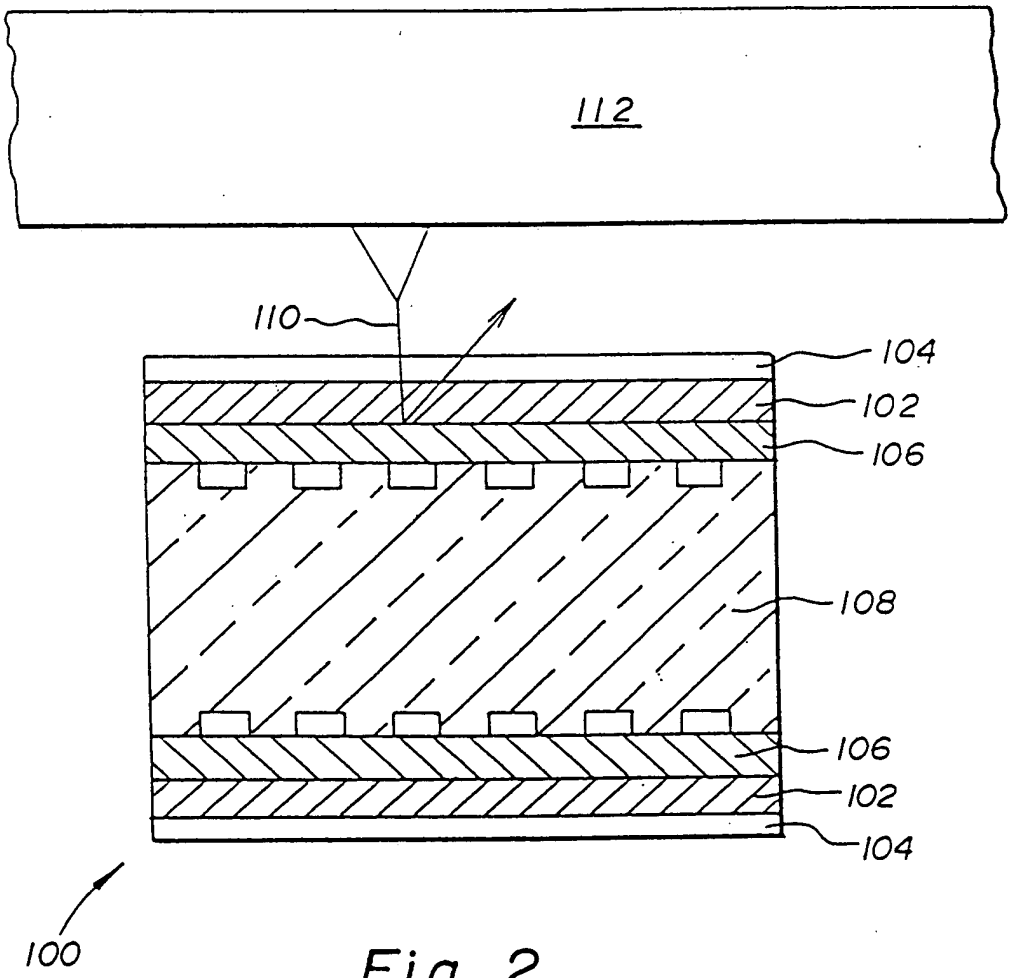


Fig. 2

EP 0 886 313 A2

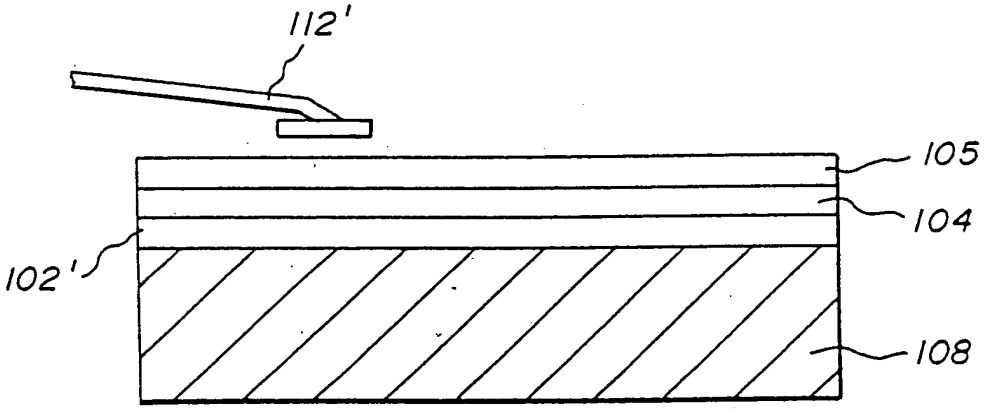


Fig. 3

Patent Application Publication

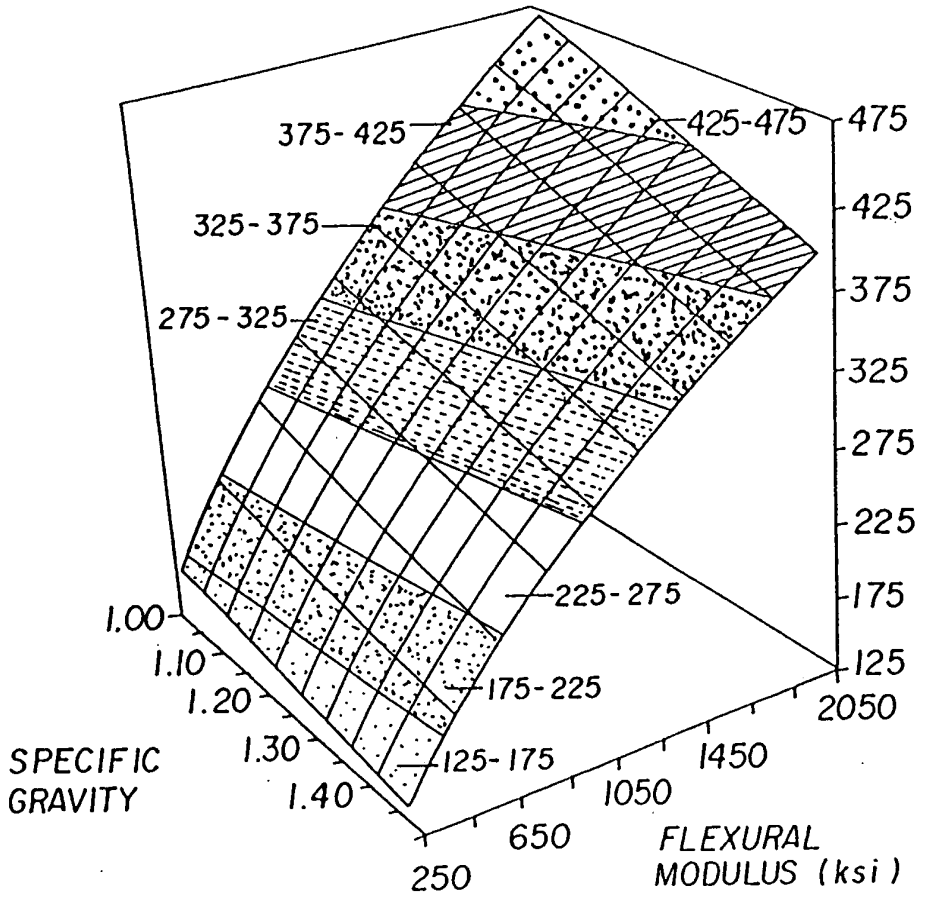
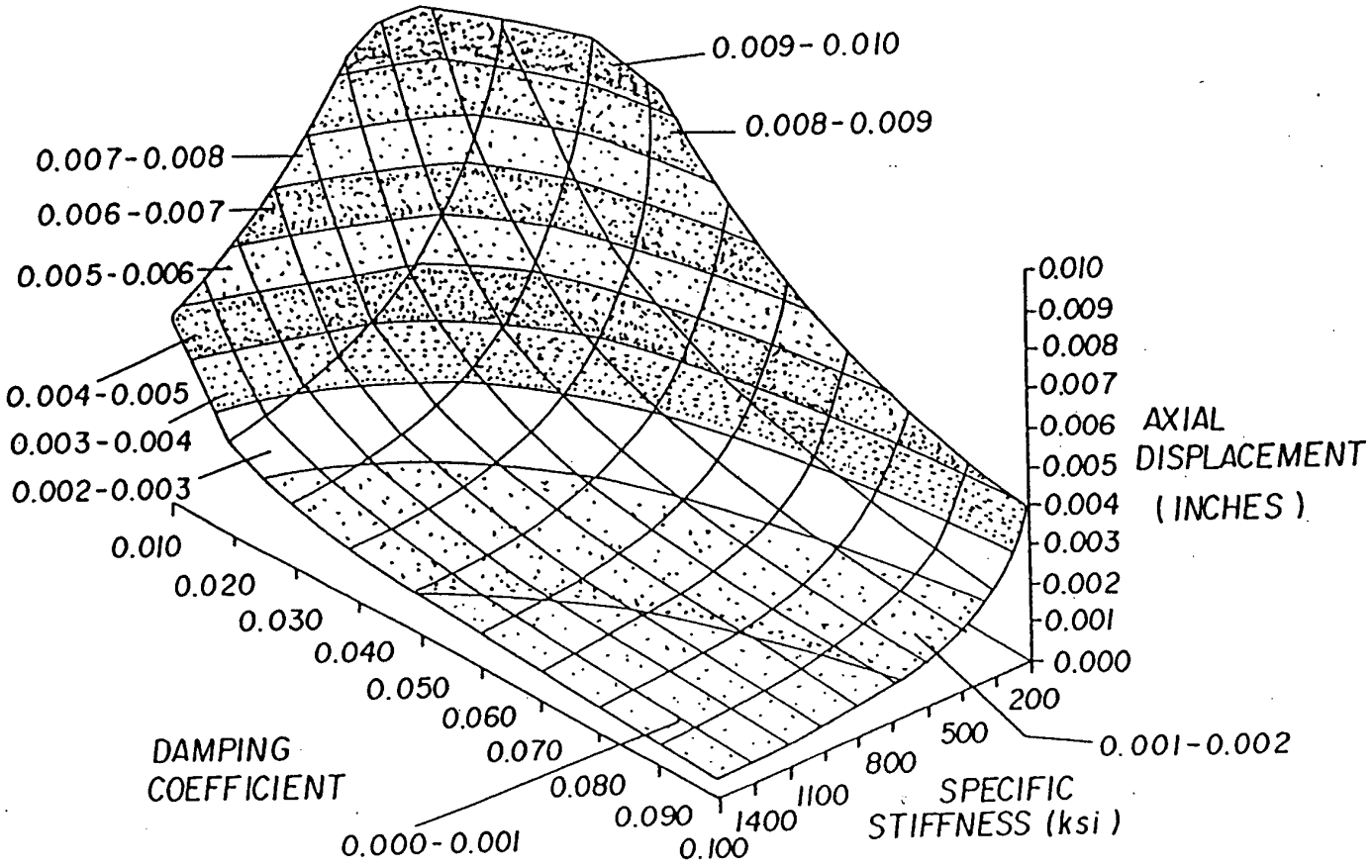


Fig. 4

Fig. 5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0.008-0.009
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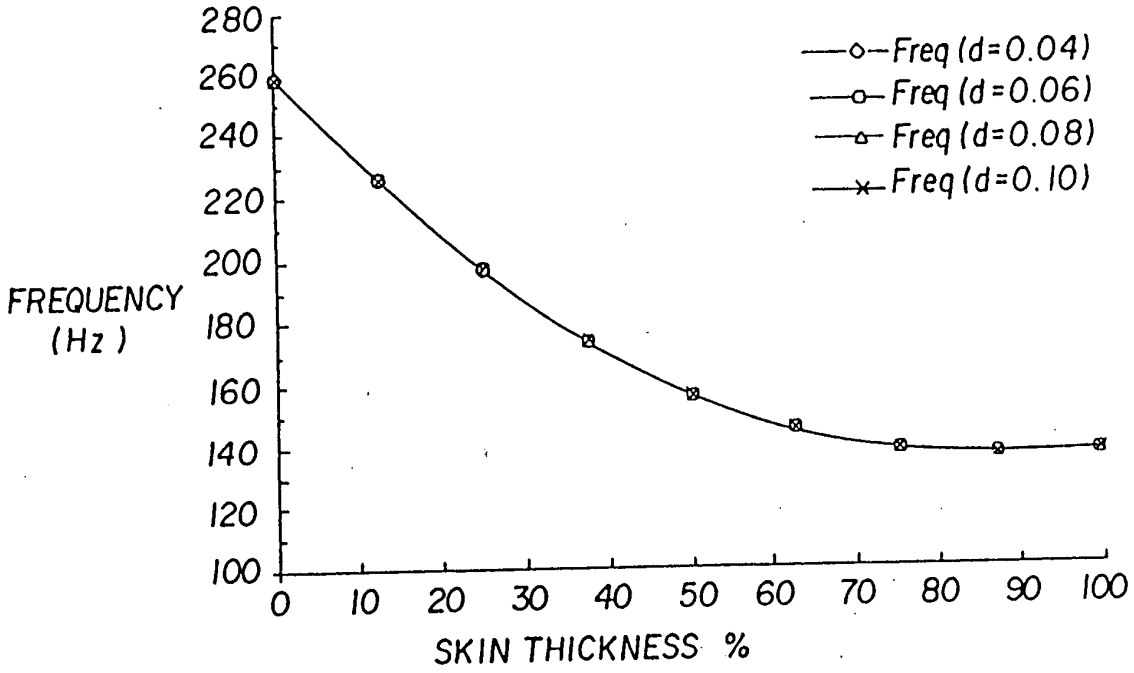
0.002-0.003
0.001-0.002
0.000-0.001
0.010
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0.000
AXIAL DISPLACEMENT (INCHES)
0.010
0.020
0.030
0.040
0.050
0.060
0.070
0.080
0.090
0.100
DAMPING COEFFICIENT
200
500
800
1100
1400
SPECIFIC STIFFNESS (ksi)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240
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160
140
120
100
FREQUENCY
(Hz)
0
10
20
30
40
50
60
70
80
90
100
SKIN THICKNESS %
Freq (d=0.04)
Freq (d=0.06)
Freq (d=0.08)
Freq (d=0.10)

Fig. 6

Patent: 6894850

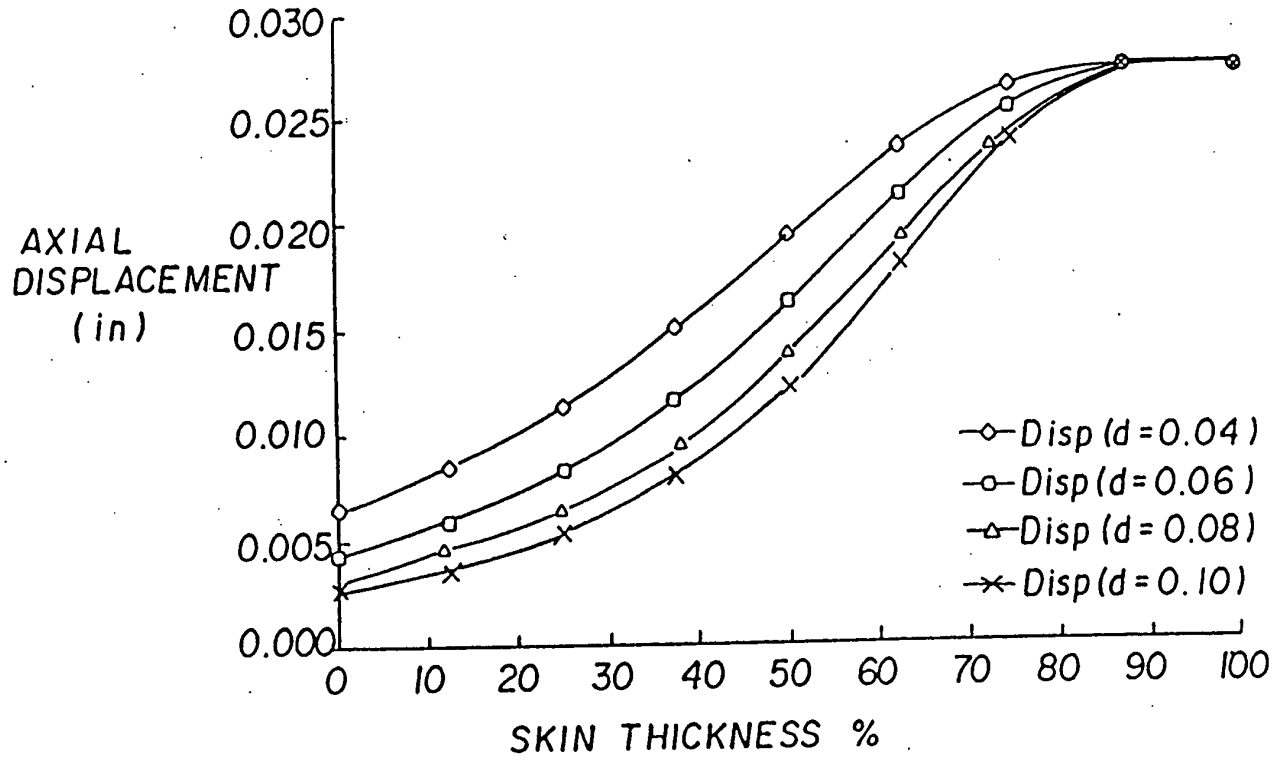


Fig. 7

PB-6850-0305-0505

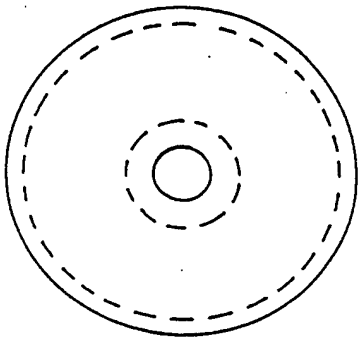


Fig. 8

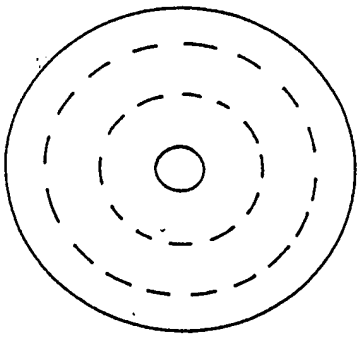


Fig. 9

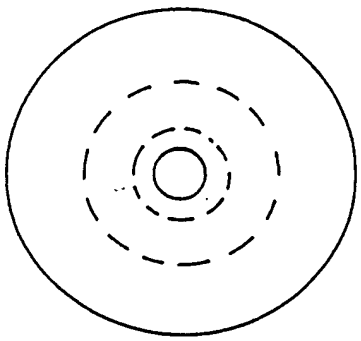


Fig. 10

Fig. 11 - 12 - 13

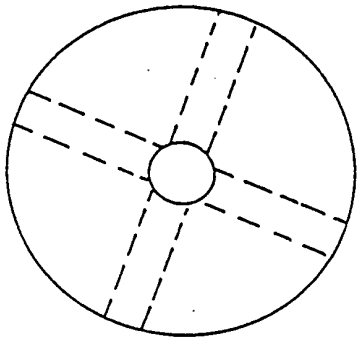


Fig. 11

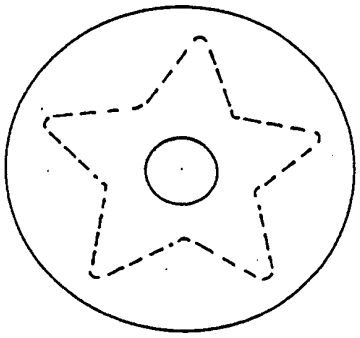


Fig. 12

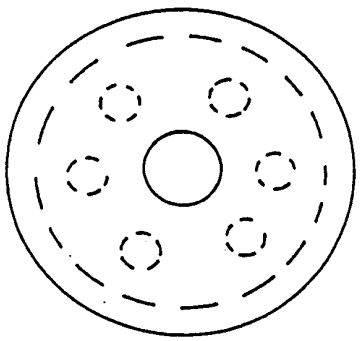


Fig. 13

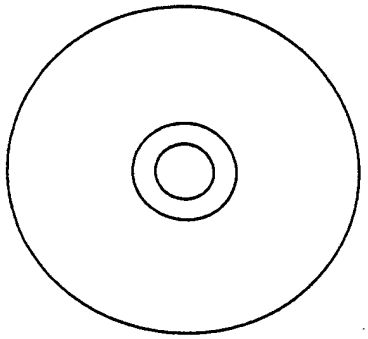


Fig. 14

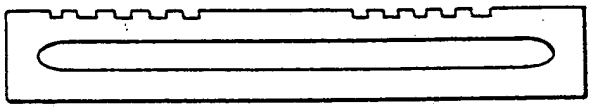


Fig. 15

Fig. 16

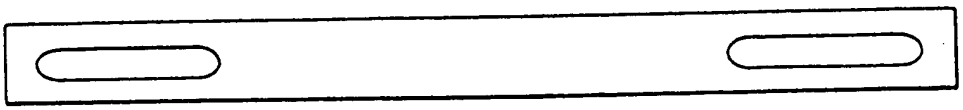
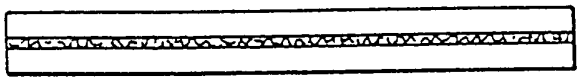


Fig. 17



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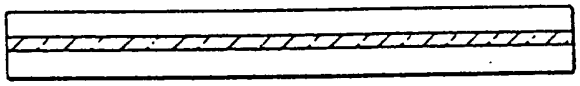


Fig. 19

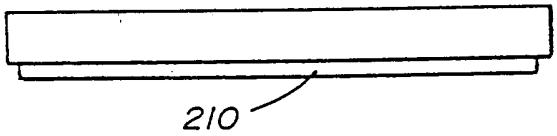
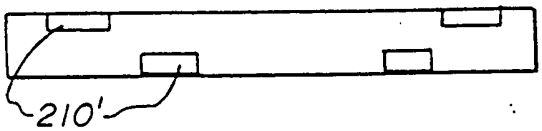


Fig. 20



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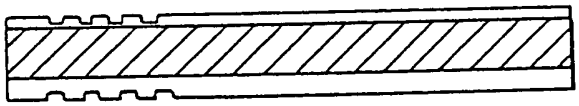
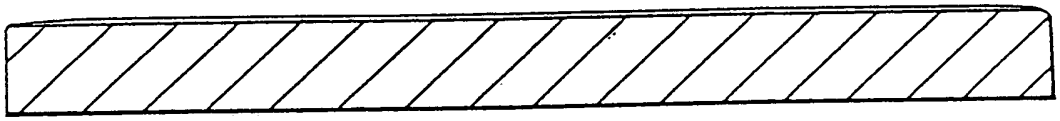


Fig. 22

Fig. 23



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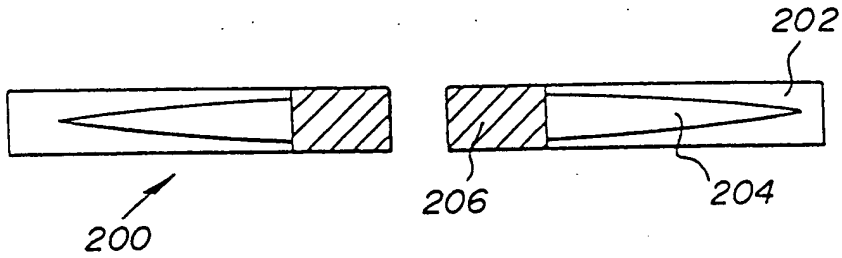

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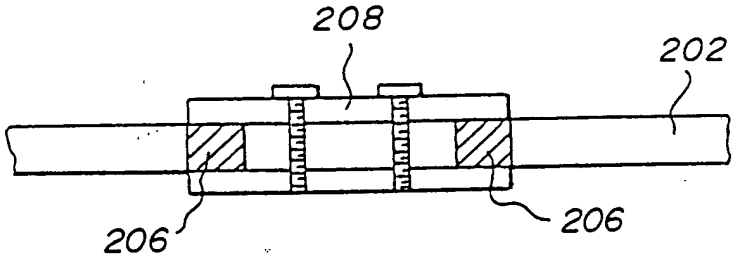

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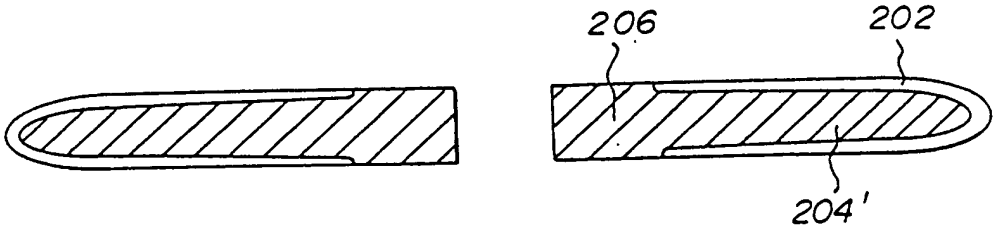


Fig. 27

Fig. 28

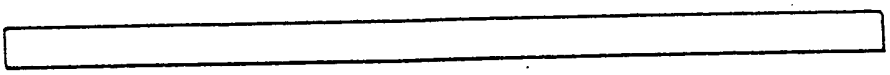
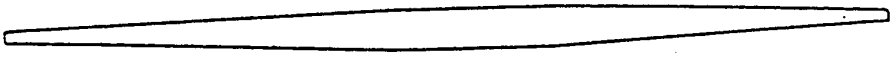


Fig. 29

Fig. 30



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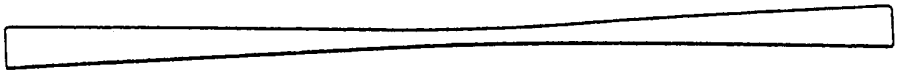

Fig. 32

Fig. 33

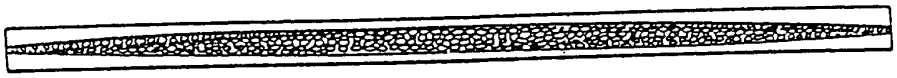

Fig. 34

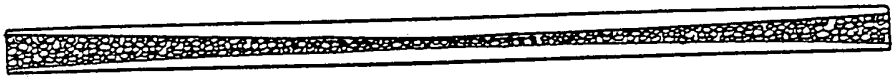

Fig. 35

PCT/US95/08856

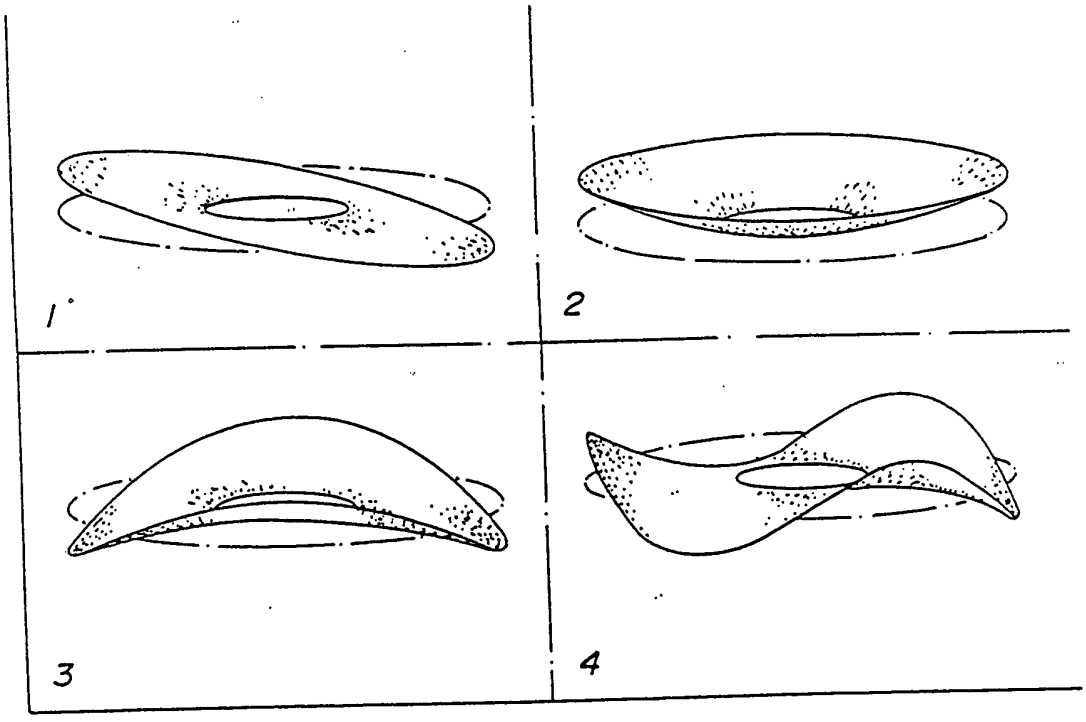

Fig. 36